

Woodgrip® D4

Waterproof PU construction adhesive

TDS: Woodgrip D4 2302EN

Transparent PU-construction adhesive with gap filling properties by expansion. For waterproof bonding of dry and damp wood, rubber, polystyrene foam, PU-foam, rock-wool, glass-wool, metals, concrete, stone, etc.



Applications

- For indoor and outdoor applications
- For waterproof wood connections in window and door frames, facade panels and furniture with mortise and tenon joints in timber framing, dovetails, dowels, tongue and groove, etc.
- For bonding porous with non-porous materials
- For rubber, polystyrene foam, concrete, glass-wool, aerated concrete, formica, brick, plastics and metals

Features and benefits

- Fast curing
- Thixotropic (does not drip)
- Seawater resistant
- Optimal connection strength
- High solids content
- Paintable
- Resistant to diluted acids and solvents
- Fills irregularities by expansion

Specifications

- For shear values from 20 to 120 kg/cm².
- Complies with NEN-EN 204 D4

Shear strength versus drying time in kg/cm ² at 20°C and 60% RH	
Kg/cm ²	Drying time
20	3 min
40	7 min
60	17 min
80	28 min
100	6 hrs
120	24 hrs

Processing

Woodgrip D4 adhesive can be extruded with all standard guns. It is essential that at least one of the components to be bonded is porous and contains moisture. The maximum moisture content of wood is 25%. Woodgrip adhesive should be applied in thin layers. The parts to be glued should fit well and surfaces should be clean and free of dust. Non-porous materials can be cleaned with acetone. Smooth surfaces should be roughened. After extruding, press parts together within 5 minutes. Clamping or pressing promotes the final strength. Do not shift glued parts during two hours.

Technical data at 23°C and 60% RH

Processing temperature:	+5°C up to +25°C
Processing time:	15 min.
Temperature resistance:	-10°C to 100°C
Hardening time after 24 hrs.:	90% final strength
Density (ISO 52451):	1,15 Kg/m ³
Solids content (ISO 52451):	100%
Vulcanisation, hrs handresistant:	At 15° - 20°C +/- 2 hrs At 10°C: +/- 3 hrs

Colour

Transparent.

Packaging

310 ml cartridges. 25 cartridges per box.

Cleaning

Remove fresh adhesive immediately with acetone or Bloem Cleaner Glass and Metal. Cured Woodgrip D4 adhesive can only be removed mechanically.

Storage

Store dry and cool between +5°C to +25°C in its original sealed packing. Use best within 12 month after production.

Safety precautions

Contains polyisocyanates. Wear suitable gloves. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation. Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek expert advice. After contact with skin, wash immediately with soap and water. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately. See MSDS sheet for other information.

Transport classification

No special measures necessary.